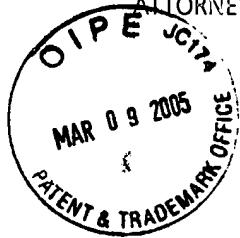




ATTORNEYS AT LAW



Robert Greene Sterne
Edward J. Kessler
Jorge A. Goldstein
David K.S. Cornwell
Robert W. Esmond
Tracy-Genia G. Durkin
Michele A. Cimbala
Michael B. Ray
Robert E. Sokohl
Eric K. Steffe
Michael Q. Lee
Steven R. Ludwig
John M. Covert
Linda E. Alcorn
Robert C. Millanig
Donald J. Featherstone
Timothy J. Shea, Jr.
Lawrence B. Bugalsky
Michael V. Messinger
Judith U. Kim

Patrick E. Garrett
Jeffrey T. Helvey
Heidi L. Kraus
Eldora L. Ellison
Thomas C. Fiala
Albert L. Ferro*
Donald R. Banowitz
Peter A. Jackman
Teresa U. Medler
Jeffrey S. Weaver
Kendrick P. Patterson
Vincent L. Capuano
Brian J. Del Buono
Virgil Lee Beaston
Theodore A. Wood
Elizabeth J. Haanes
Joseph S. Ostroff
Frank R. Cottingham
Christine M. Lhullier

Rae Lynn P. Guest
George S. Bardmesser
Daniel A. Klein
Jason D. Eisenberg
Michael D. Specht
Andrea J. Kamage
Tracy L. Muller
Jon E. Wright
LuAnne M. DeSantis
Ann E. Summerfield
Aric W. Ledford
Helene C. Carlson
Cynthia M. Bouchez
Timothy A. Doyle*
Gaby L. Longsworth
Lori A. Gordon
Nicole D. Dretar
Ted J. Ebersole
Jyoti C. Iyer

Laura A. Vogel
Michael J. Mancuso
Bryan S. Wade
Aaron L. Schwartz
Michael G. Penn*
Matthew E. Kelley*
Shannon A. Carroll*
Nicole R. Kramer*

Registered Patent Agents*

Karen R. Markowitz
Nancy J. Leith
Matthew J. Dowd
Katrina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Teresa A. Colella
Jeffrey S. Lundgren
Victoria S. Rutherford

Michelle K. Holoubek
Simon J. Elliott
Julie A. Heider
Mita Mukherjee
Scott M. Woodhouse
Christopher J. Walsh
Liliana Di Nola-Baron
Peter A. Socarras

Of Counsel

Kenneth C. Bass III
Evan R. Smith
Marvin C. Guthrie

*Admitted only in Maryland
+Admitted only in Virginia
•Practice Limited to Federal Agencies

March 9, 2005

WRITER'S DIRECT NUMBER:
(202) 772-8587
INTERNET ADDRESS:
PGARRETT@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Re: U.S. Utility Patent Application
Application No. 10/085,071; Filed: March 1, 2002
For: **Methods and Systems for DSP-Based Receivers**
Inventors: AGAZZI *et al.*
Our Ref: 1875.1280001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Third Supplemental Information Disclosure Statement;
2. Three (3) sheets of Form PTO-1449 listing thirty-nine (39) documents;
3. One (1) copy of each reference documents AL1-AP1 and AR1-AS1; and
4. One (1) return postcard.

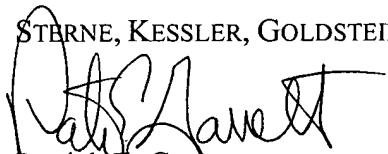
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
March 9, 2005
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett
Attorney for Applicant
Registration No. 39,987

PEG/mlb
Enclosures
371436_1.DOC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No.: 1409

AGAZZI *et al.*

Art Unit: 2665

Appl. No.: 10/085,071

Examiner: Vu, Huy Duy

Filed: March 1, 2002

Atty. Docket: 1875.1280001

For: **Methods and Systems for
DSP-Based Receivers**

Third Supplemental Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than

three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p).

4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign

patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

6. A concise explanation of the relevance of the non-English language document(s) appears below in accordance with 37 C.F.R. § 1.98(a)(3).

7. Copies of documents AL1, AM1, AN1, AO1, AP1, AR1, and AS1 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted.

8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). _____ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

Date: 3/9/05
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

MAR 09 2005

Page 1 of 3

FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1875.1280001APPLICATION NO.
10/085,071INVENTORS
AGAZZI *et al.*
FILING DATE
March 1, 2002ART UNIT
2665

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA1	5,396,224	03/1995	Dukes <i>et al.</i>			
AB1	5,550,546	08/1996	Noneman <i>et al.</i>			
AC1	5,554,945	09/1996	Lee <i>et al.</i>			
AD1	5,614,855	03/1997	Lee <i>et al.</i>			
AE1	5,703,905	12/1997	Langberg			
AF1	5,768,268	06/1998	Kline <i>et al.</i>			
AG1	5,822,143	10/1998	Cloke <i>et al.</i>			
AH1	5,881,107	03/1999	Termerinac <i>et al.</i>			
AI1	5,945,862	08/1999	Donnelly <i>et al.</i>			
AJ1	5,949,820	09/1999	Shih <i>et al.</i>			
AK1	5,966,415	10/1999	Bliss <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL1	EP 0 515 074	11/1992	EP			N/A
AM1	EP 0 909 035	04/1999	EP			N/A
AN1	WO 01/84702	11/2001	WO			N/A
AO1	WO 01/84724	11/2001	WO			N/A
AP1	WO 02/071616	09/2002	WO			N/A

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR1	Buchwald, A. and Martin, K., <i>Integrated Fiber-Optic Receivers</i> , Kluwer Academic Publishers, ISBN 0-7923-9549-2, Copyright 1995 (entire book submitted).
AS1	Sidiropoulos, S. and Horowitz, M. A., "A Semidigital Dual Delay-Locked Loop," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 32, No. 11, November 1997, pp. 1683-1692.
AT1	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

MAR 09 2005

Page 2 of 3

FORM PTO-1449

ENT & TRADEMARK OFFICE
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTCITY. DOCKET NO.
875.1280001APPLICATION NO.
10/085,071INVENTORS
AGAZZI *et al.*
FILING DATE
March 1, 2002ART UNIT
2665

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA2	6,002,279	12/1999	Evans <i>et al.</i>			
AB2	6,005,445	12/1999	Katakura			
AC2	6,009,534	12/1999	Chiu <i>et al.</i>			
AD2	6,038,269	03/2000	Raghavan			
AE2	6,122,336	09/2000	Anderson			
AF2	6,134,268	10/2000	McCoy			
AG2	6,329,859 B1	12/2001	Wu			
AH2	6,359,486 B1	03/2002	Chen			
AI2	6,397,048 B1	05/2002	Toda			
AJ2	6,404,525 B1	06/2002	Shimomoura <i>et al.</i>			
AK2	6,498,694 B1	12/2002	Shah			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL2						Yes No
AM2						Yes No
AN2						Yes No
AO2						Yes No
AP2						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR2	
AS2	
AT2	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

MAR 09 2005

FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

PATENT & TRADEMARK OFFICE

ATTY. DOCKET NO.
1875.1280001APPLICATION NO.
10/085,071INVENTORS
AGAZZI *et al.*FILING DATE
March 1, 2002ART UNIT
2665

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	6,509,773 B2	01/2003	Buchwald <i>et al.</i>			
	AB3	6,621,862 B1	09/2003	Dabell			
	AC3	6,791,388 B2	09/2004	Buchwald <i>et al.</i>			
	AD3	2002/0012152 A1	01/2002	Agazzi <i>et al.</i>			
	AE3	2002/0034222 A1	03/2002	Buchwald <i>et al.</i>			
	AF3	2002/0039395 A1	04/2002	Buchwald <i>et al.</i>			
	AG3	2002/0044617 A1	04/2002	Buchwald <i>et al.</i>			
	AH3	2002/0044618 A1	04/2002	Buchwald <i>et al.</i>			
	AI3	2003/0086515 A1	05/2003	Trans <i>et al.</i>			
	AJ3	2004/0212416 A1	10/2004	Buchwald <i>et al.</i>			
	AK3						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3						Yes
	AM3						No
	AN3						Yes
	AO3						No
	AP3						Yes
							No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AR3	
	AS3	
	AT3	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.